Louisiana

Science and Engineering Profile

Characteristic	State	U.S.	Rank	Characteristic	State	U.S.	Rank
Doctoral scientists, 1999[1]	5,320	518,670	28	Total R&D performance, 1998 (millions)	$542	$214,668	38
Doctoral engineers, 1999[1]	880	107,100	29	Industry R&D, 1998 (millions)	$102	$163,480	42
S&E doctorates awarded, 1999[1]	309	25,953	25	Academic R&D, 1998 (millions)	$341	$25,342	25
of which, in life sciences	30%	25%		of which, in life sciences	62%	57%	
in engineering	20%	21%		in engineering	15%	16%	
in social sciences	13%	16%		in environmental sciences	7%	6%	
S&E postdoctorates, 1998[1]				Public higher education current-fund			
in doctorate-granting institutions	239	39,494	31	expenditures, 1997 (millions)	$2,060	$125,236	24
S&E graduate students, 1998[1]				Number of SBIR awards, 1990-98	94	35,413	33
in doctorate-granting institutions	5,676	422,834	26	Patents issued to state residents, 1999	483	83,901	31
Population, 1999 (thousands)	4,372	276,580	22	Gross state product, 1998 (billions)	$129	$8,800	24
Civilian labor force, 1999 (thousands)	2,052	140,536	24	of which, agriculture	1%	1%	
				manufacturing, mining, construction	34%	22%	
Personal income per capita, 1999	$22,847	$28,542	45	transportation, communication, utilities	9%	9%	
				wholesale and retail trade	14%	16%	
Federal spending				finance, insurance, real estate	13%	19%	
Total expenditures, 1999 (millions)	$24,384	$1,508,933	22	services	17%	21%	
R&D obligations, 1998 (millions)	$224	$70,445	35	government	12%	12%	

NOTE: Rankings and totals are based on data for the 50 States, District of Columbia, and Puerto Rico. Reliability of the estimates of industry R&D and of doctoral scientists and engineers varies by State, because the sample allocation was not based on geography. The rankings do not take into account the margin of error of estimates from sample surveys.

[1]Data on graduate students, doctoral scientists and engineers, and postdoctorates include all graduate degree (except M.D.) candidates and recipients in S&E fields, including health fields. Data on S&E doctorates awarded do not include health fields.

Federal Obligations for Research and Development by Agency and Performer: Fiscal Year 1998

Agency	Performer							
	Total	Federal Intramural	All FFRDCs	Industrial firms	Universities & colleges	Other nonprofits	State & local government	State rank, total
	[In thousands of dollars]							
Total, all agencies	223,555	84,315	0	20,104	111,713	4,117	3,306	35
Department of Agriculture	43,348	31,429	0	0	11,879	40	0	7
Department of Commerce	3,124	1,383	0	53	1,688	0	0	31
Department of Defense	38,025	6,874	0	18,365	12,746	40	0	35
Department of Energy	4,319	0	0	0	4,319	0	0	36
Dept. of Health & Human Services	68,012	3,751	0	156	60,082	4,022	1	29
Department of the Interior	16,097	11,149	0	1,177	3,688	15	68	7
Department of Transportation	1,676	0	0	0	0	0	1,676	39
Environmental Protection Agency	4,962	0	0	0	4,962	0	0	21
National Aeronautics and Space Admin	33,797	29,729	0	253	3,815	0	0	19
National Science Foundation	10,195	0	0	100	8,534	0	1,561	39
State rank, total	35	25	na	40	29	33	27	na

NOTE: Federal R&D obligations are as reported by funding agencies. Ranks and totals are based on data for the 50 States, District of Columbia, and Puerto Rico.

KEY: FFRDC = federally funded research and development center; SBIR = small business innovation research; na = not applicable.

SOURCES: Prepared by the National Science Foundation/Division of Science Resources Studies. Data compiled from numerous sources -- see the section, "Data Sources for Science and Engineering (S&E) State Profiles".